



#6

1/20

SEQUENCE LISTING

<110> Eckert, Deborah M.
Chan, David C.
Malashkevich, Vladimir
Carr, Peter A.
Kim, Peter S.

<120> Inhibitors of HIV Membrane Fusion

<130> 0399.1192-008

<140> US 09/746,724

<141> 2000-12-21

<150> PCT/US99/17351

<151> 1999-07-30

<150> US 60/043,280

<151> 1997-04-17

<150> US 09/062,241

<151> 1998-04-17

<150> US 60/094,676

<151> 1998-07-30

<150> US 60/100,265

<151> 1998-09-14

<150> US 60/101,058

<151> 1998-09-18

<150> US 60/132,295

<151> 1999-05-03

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10

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20

25

30

Arg

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 Lys Lys Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Leu Gln Leu
 20 25 30
 Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu
 35 40 45

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<400> 13

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| Ser | Gly | Ile | Val | Gln | Gln | Gln | Asn | Asn | Leu | Leu | Arg | Ala | Ile | Glu | Gln |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Gln | His | Leu | Leu | Gln | Leu | Thr | Val | Trp | Gly | Ile | Lys | Gln | Leu | Gln | Ala |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Arg | Ile | Leu | | | | | | | | | | | | | |
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<220>

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| Trp | Met | Glu | Trp | Asp | Arg | Glu | Ile | Asn | Asn | Tyr | Thr | Ser | Leu | Ile | His |
| 1 | | | | 5 | | | | 10 | | | | | | 15 | |
| Ser | Leu | Ile | Glu | Glu | Ser | Gln | Asn | Gln | Gln | Glu | Lys | Asn | Glu | Gln | Glu |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Leu | Leu | | | | | | | | | | | | | | |

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<212> PRT

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| Lys | Lys | Gly | Ala | Cys | Gly | Leu | Gly | Gln | Glu | Glu | Trp | Phe | Trp | Leu | Cys |
| 1 | | | | 5 | | | | 10 | | | | | | 15 | |

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| Lys | Lys | Gly | Ala | Cys | Glu | Leu | Leu | Gly | Trp | Glu | Trp | Ala | Trp | Leu | Cys |
| 1 | | | | 5 | | | | 10 | | | | | | 15 | |

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<212> PRT

<213> Artificial Sequence

<220>

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<210> 18

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<212> PRT

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<400> 18

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 1 5 10 15

<210> 19

<211> 18

<212> PRT

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<220>

<223> D-peptide

<400> 19

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 1 5 10 15
 Ala Ala

<210> 20

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

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Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile
 1 5 10 15
 Leu

<210> 21

<211> 24

<212> PRT
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<220>
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 1 5 10 15
 Gln Gln His Leu Leu Gln Leu Thr
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<210> 22
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<400> 22
 Met Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Glu Ser Lys
 1 5 10 15
 Gln Lys Lys Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys Leu Ile Ser
 20 25 30
 Gly Ile Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln
 35 40 45
 Gln His Leu Leu Gln Leu Thr
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<210> 23
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<210> 24
 <211> 5
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<220>
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<221> VARIANT
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 Glu Trp Xaa Trp Leu
 1 5

<210> 25
 <211> 28
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<220>
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 Region fo GCN4 in IQN17

<400> 25
 Arg Met Lys Gln Ile Glu Asp Lys Ile Glu Glu Ile Glu Ser Lys Gln
 1 5 10 15
 Lys Lys Ile Glu Asn Glu Ile Ala Arg Ile Lys Lys
 20 25

<210> 26
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 <212> PRT
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<220>
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<400> 26
 Leu Leu Arg Leu Thr Val Trp Gly Thr Lys Asn Leu Gln Ala Arg Val
 1 5 10 15
 Thr

<210> 27
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 <213> Artificial Sequence

<220>
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<400> 27
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 1 5 10 15
 Thr

<210> 28
 <211> 16
 <212> PRT
 <213> Artificial Sequence

<220>
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<221> VARIANT
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 1 5 10 15

<210> 29
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> D-peptide

<221> VARIANT
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<400> 29
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 1 5 10 15
 Xaa Xaa

<210> 30
 <211> 20
 <212> PRT
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 1 5 10 15
 Leu Cys Xaa Xaa
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<400> 31
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 Xaa Xaa Xaa

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 Leu Cys Xaa Xaa Xaa
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<210> 34
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 1 5 10 15

<210> 35
 <211> 16
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<220>
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<210> 36
 <211> 16
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<210> 37
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 Gly Ala Cys Leu Leu Arg Ala Pro Glu Trp Gly Trp Leu Cys Ala Ala
 1 5 10 15

<210> 38
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 Ala Ala

<210> 39

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 Ala Ala

<210> 40

<211> 18

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<223> D-peptide

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 1 5 10 15
 Ala Ala

<210> 41

<211> 18

<212> PRT

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<223> D-peptide

<400> 41

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 1 5 10 15
 Ala Ala

<210> 42
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<221> VARIANT
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 1 5 10 15
 Xaa

<210> 43
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> D-peptide

<400> 43
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 1 5 10 15
 Leu Cys Ala Ala
 20

<210> 44
 <211> 16
 <212> PRT
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 1 5 10 15

<210> 45
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> D-peptide

<400> 45

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Lys | Lys | Lys | Gly | Ala | Cys | Gly | Leu | Gly | Gln | Glu | Glu | Trp | Phe | Trp |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Leu | Cys | Ala | Ala | | | | | | | | | | | | |
| | | | 20 | | | | | | | | | | | | |

<210> 46

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> D-peptide

<400> 46

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Lys | Lys | Lys | Gly | Ala | Cys | Asp | Leu | Lys | Ala | Lys | Glu | Trp | Phe | Trp |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Leu | Cys | Ala | Ala | | | | | | | | | | | | |
| | | | 20 | | | | | | | | | | | | |

<210> 47

<211> 15

<212> PRT

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<223> D-peptide

<400> 47

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Ala | Cys | Glu | Leu | Leu | Gly | Trp | Glu | Trp | Ala | Trp | Leu | Cys | Cys |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |
| | | | | | | | | | | | | | | |

<210> 48

<211> 20

<212> PRT

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<220>

<223> D-peptide

<400> 48

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Lys | Lys | Lys | Gly | Ala | Cys | Ser | Arg | Ser | Gln | Pro | Glu | Trp | Glu | Trp |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Leu | Cys | Ala | Ala | | | | | | | | | | | | |
| | | | 20 | | | | | | | | | | | | |

<210> 49

<211> 20

<212> PRT

<213> Artificial Sequence

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<400> 49

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Leu Cys Ala Ala
                20
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<210> 50

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> D-peptide

<400> 50

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Gly Ala Cys Met Arg Gly Glu Trp Glu Trp Ser Trp Leu Cys Ala Ala
 1           5           10           15
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<210> 51

<211> 20

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<213> Artificial Sequence

<220>

<223> D-peptide

<400> 51

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Lys Lys Lys Lys Gly Ala Cys Met Arg Gly Glu Trp Glu Trp Ser Trp
 1           5           10           15
Leu Cys Ala Ala
                20
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<210> 52

<211> 16

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<223> D-peptide

<400> 52

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Gly Ala Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp Leu Cys Ala Ala
 1           5           10           15
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<210> 53

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> D-peptide

<400> 53

Lys Lys Lys Lys Gly Ala Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp
 1 5 10 15
 Leu Cys Ala Ala
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<210> 54

<211> 16

<212> PRT

<213> Artificial Sequence

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<222> (1)...(16)

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 1 5 10 15

<210> 55

<211> 18

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<213> Artificial Sequence

<220>

<223> D-peptide

<221> VARIANT

<222> (1)...(18)

<223> Xaa = Any Amino Acid

<400> 55

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 1 5 10 15
 Ala Ala

<210> 56

<211> 20

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<221> VARIANT
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 1 5 10 15
 Leu Cys Ala Ala
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<210> 57
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<210> 58
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<221> VARIANT
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 <223> Xaa = Any Amino Acid

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 1 5 10 15
 Xaa Xaa

<210> 59
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 1 5 10 15
 Leu Cys Xaa Xaa
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<210> 60
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<221> VARIANT
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 1 5 10 15
 Xaa

<210> 61
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<220>
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<221> VARIANT
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 <223> Xaa = Any Amino Acid

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 1 5 10 15
 Xaa Xaa Xaa

<210> 62
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 1 5 10 15
 Leu Cys Xaa Xaa Xaa
 20

<210> 63
 <211> 12
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<220>
 <223> Sequence Pattern in C-Terminal Residues in
 D-peptides

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 <223> Xaa = Any Amino Acid

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 1 5 10

<210> 64
 <211> 18
 <212> PRT
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<220>
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 1 5 10 15
 Ala Ala

<210> 65
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 1 5 10 15
 Ala Ala

<210> 66
 <211> 20
 <212> PRT
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<220>
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<400> 66
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 1 5 10 15
 Leu Cys Ala Ala
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<210> 67
 <211> 18
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 1 5 10 15
 Ala Ala

<210> 68
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<400> 68
 Lys Lys Gly Ala Cys Pro Pro Leu Asn Lys Glu Trp Ala Trp Leu Cys
 1 5 10 15
 Ala Ala